

METHOD AND APPARATUS FOR ASSISTING A MOBILE NODE TO
TRANSMIT A PACKET

ABSTRACT OF THE DISCLOSURE

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A mobility-unaware mobile node (MN) (112) in a visited subnet (110) different from its home subnet (108) sends (302) an ARP Request to discover a first MAC address of a device in the home subnet, the ARP Request containing an IP address assigned to the device. A software program, designated host (106) in the
10 visited subnet and corresponding method of assisting the MN (112) receives (304) the ARP Request, and determines that the IP address does not belong to the visited subnet. In response, the designated host returns (310) an ARP Response containing its own MAC address, which the mobile node will assume to be the MAC address of the device in the home subnet and use for sending packets to the device.